

IV0008

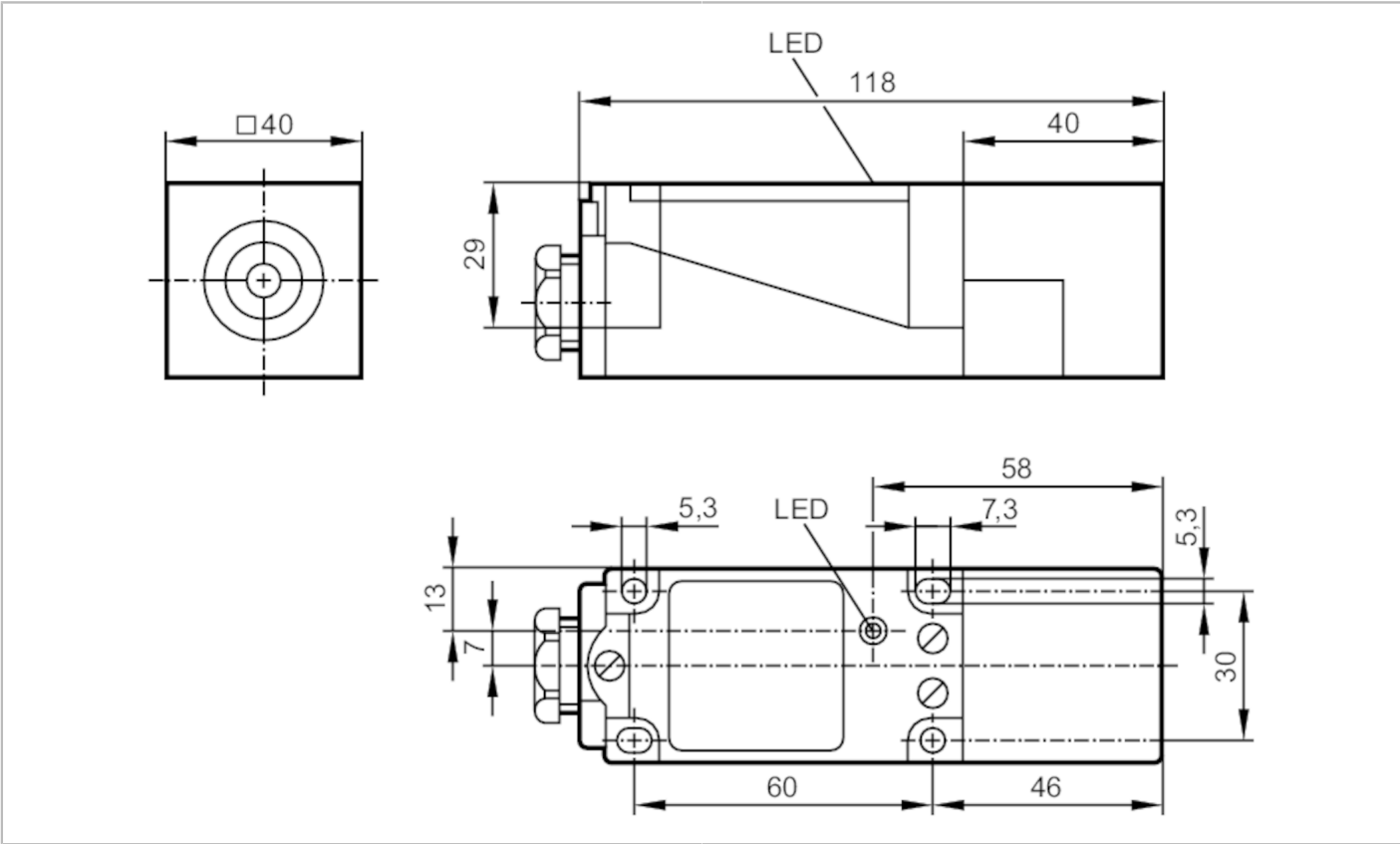


Inductive sensor

IVE2020-FBKA

Article to be discontinued

Alternative articles: IV0009
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Output function		normally open / closed; (selectable)
Sensing range	[mm]	20
Housing		rectangular
Dimensions	[mm]	40 x 40 x 118
Electrical data		
Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Output function		normally open / closed; (selectable)
Max. voltage drop switching output DC	[V]	7
Max. voltage drop switching output AC	[V]	7
Minimum load current	[mA]	8
Max. leakage current	[mA]	2.5



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Permanent current rating of switching output AC	[mA]	500
Permanent current rating of switching output DC	[mA]	500
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	25
Short-circuit protection		yes
Overload protection		yes

Monitoring range

Sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Weight	[g]	258.4
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 40 x 118
Material		PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Remarks

Remarks	cable gland (E11270) to be ordered separately
Pack quantity	1 pcs.

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Electrical connection

terminals: ...2.5 mm²; Cable gland: M20 X 1.5

Connection

